



## AAG Annual Meeting

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### Paper Session:

#### 2239 Geosimulation Models 1: Methodological Advances

is scheduled on Wednesday, 4/9/2014, from 10:00 AM - 11:40 AM in Room 39, TCC, Fourth Floor

#### Sponsorship(s):

Spatial Analysis and Modeling Specialty Group  
Cyberinfrastructure Specialty Group  
Geographic Information Science and Systems Specialty Group

#### Organizer(s):

[Andrew Crooks](#) - George Mason University  
[Suzana Dragicevic](#) - SIMON FRASER UNIVERSITY  
[Paul Torrens](#) - University of Maryland

#### Chair(s):

[Suzana Dragicevic](#) - SIMON FRASER UNIVERSITY

#### Abstract(s):

**10:00 AM Author(s):** \*Paul M Torrens - University of Maryland, College Park

Abstract Title: *Geosimulation of earthquakes at the human-physical interface*

**10:20 AM Author(s):** \*Raja R Sengupta, Dr. - McGill University  
Tyler R Bonnell - Dept. of Geography, McGill University

Abstract Title: *What is Special about Spatial Agents?*

**10:40 AM Author(s):** \*Anthony Jjumba - Simon Fraser University  
Suzana Dragicevic - Simon Fraser University

Abstract Title: *Voxel-based automata for spatial simulation*

**11:00 AM Author(s):** \*Meijuan Jia - UNC Charlotte  
Wenwu Tang - UNC Charlotte

Abstract Title: *Spatiotemporal sensitivity analysis of an agent-based model of Artificial Anasazi*

**11:20 AM Author(s):** \*Mathieu Leclaire - UMR Géographie-cités / Geodiversity  
ROMAIN REUILLON - UMR Géographie-cités / Geodiversity

Abstract Title: *Simpuzzle/Janet tools or how to build a step by step modular ABM ?*

**Session Description:** Since the publication of Geosimulation in 2004, the use of Agent-based Modeling (ABM) and Cellular Automata (CA) under the umbrella of Geosimulation models within geographical systems have started to mature as methodologies to explore a wide range of geographical and more broadly social sciences problems facing society. The aim of these sessions is to bring together researchers utilizing geosimulation techniques (and associated methodologies) to discuss topics relating to: theory, technical issues and applications domains of ABM and CA within geographical systems.

